

HEALTHCARE ANALYTICS

MASTER OF SCIENCE (MS)



Alliant International University
California School
of Management & Leadership

alliant.edu

MASTER OF SCIENCE IN HEALTHCARE ANALYTICS

There is a world of healthcare analytics that exists behind the world of healthcare. It is a field that is more than just doctors, nurses, and insurance providers—there are entire professions of people working behind the scenes to support the healthcare system initiatives to ensure they function properly for the public. At Alliant International University's California School of Management and Leadership (CSML), we offer a training-based degree program in one such position—the Master of Science in Healthcare Analytics (MSHCA).

Healthcare analysts are the people who are tasked with making critical data-driven decisions. They work with key stakeholders throughout healthcare infrastructures to provide actionable insights resulting in highly aligned performance optimizations and cross-departments knowledge sharing. In the MSHCA program, you will be armed with the STEM skills to effectively carry out the highly detailed and intricate work that defines the medical and healthcare professions.

Accurate healthcare analysis is paramount to those working in healthcare professions, as the work these analysts do forms the foundation of optimized patient care, policy formation, and the use of 21st Century big data in the modern healthcare setting. It is the work of the healthcare analyst that allows the world of modern medicine to work as efficiently and smoothly as it does today.

HANDS-ON TRAINING

From classroom to corporate, our unique learning model paired with hands-on training, CSML programs are designed to provide students with more than a high-quality education. We prepare our students with practical training, so they are ready to become an agent of change from the moment they take their first step off of our commencement stage.

CSML has tailored the training so that degree programs like the MSHCA demand, and have invited, different kinds of experience into the curriculum, such as: presentations, discussions, debates, internships, and a team-based capstone project.

This varied education, combined with our experienced and active-in-the-field faculty, allows you to see the current issues a healthcare analyst will have to address, how to solve those issues, and help you turn an eye to the potential issues of the future and their respective potential solutions.

A WORLD OF OPPORTUNITY

As a field that is experiencing explosive growth in 2019 and beyond, the MSHCA degree program offers a wealth of career opportunities for its graduates. Here is a list of just a few of the careers one can find themselves in after graduating from the MSHCA degree program:

- Healthcare Analyst
- Health System Specialist
- Project Manager
- Data Systems Manager
- Healthcare Informatics Analyst
- Business Analyst
- Information Technology Manager
- And more...

A STEM FIELD ON THE RISE

Healthcare Analytics is more than a STEM field on the rise, it's a field in the middle of an absolute boom. Between now and 2026, there are expected to be over 70,000 new jobs for graduates of this program, and others like it, to fill around the country. This represents a 20% growth over the existing need in this position and represents one of the fastest-growing job sectors overall. It is safe to say that the outlook for graduates of this program is just about as sunny as it can get, and we are here to ensure that you are well-prepared to fill one of these positions that is waiting for you with open arms.

HEALTHCARE ANALYTICS (MS) CURRICULUM

Course offerings and sequence are subject to change.

PRE-REQUISITE COURSES

Essentials of Computational Science Using Python

Basic Applied Statistics

COURSES

Healthcare Systems, Services, and Infrastructure

Database Design Principles and Technologies

Data Visualization

Legal, Regulatory, and Ethical Issues in Modern Healthcare Structures

Quantitative & Qualitative Analysis Methods for Healthcare

Health Information Exchange

Healthcare Information Systems Security

Epidemiology, Patient Care, and Public Health Informatics

Advanced Analysis, Design, and Project Management for Healthcare Informatics

Professional Practice [3]

Industry Research Project



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This program is accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

ACBSP accreditation certifies that the teaching and learning processes offered within CSML's programs meet the rigorous educational standards established by said accrediting body.

Please note that not all programs are available at every campus, online, or to residents of every state. For important information about the educational debt, earnings, and completion rates of students who attended this program, please visit www.alliant.edu/ge/mshca

Alliant is a private university accredited by the WASC Senior College and University Commission (WSCUC). We are an equal opportunity employer

ADMISSIONS REQUIREMENTS

Admission criteria for the California School of Management and Leadership (CSML) vary depending on the program you choose and your level of study. All requirements, however, are designed to determine the qualities and capabilities required of professionals in the field to which you are applying. Your academic ability and preparation, along with other personal, non-academic factors, are also considered.

ADMISSIONS CRITERIA: HEALTHCARE ANALYTICS (MS)

- A completed application and application fee
- A bachelor's degree from an accredited university or its international equivalent
- Submission of official transcripts
- Essay or personal narrative
- Letters of recommendation (varies by program)
- English language proficiency
- Other requirements that can vary by program

Please see catalog.alliant.edu for more information.

Additional requirements apply to international applicants.